

CLAIMS

1. An intrusion detector for the vehicle, the detector being attachable to the vehicle, wherein the intrusion detector comprises a carbon dioxide detector responsive to the presence of carbon dioxide in a compartment of the vehicle, and wherein the intrusion detector is operable to generate an alarm if the proportion of carbon dioxide in the compartment exceeds a selected level.
2. An intrusion detector according to claim 1 wherein the vehicle comprises a trailer for a tractor-trailer combination.
3. An intrusion detector according to claim 1 or claim 2 wherein the intrusion detector is adapted to be mounted on the exterior of the vehicle and wherein a duct is provided whereby air from the compartment may be passed to the carbon dioxide detector.
4. An intrusion detector according to claim 3 wherein a fan is provided to pass air from the compartment to the carbon dioxide detector.
5. An intrusion detector according to any one of the preceding claims connectable to power supply of the vehicle and further comprising a battery which may be charged by the power supply.
6. An intrusion detector according to any one of the preceding claims wherein in the selected level of carbon dioxide is at least 2500 ppm, and preferably at least 3500 ppm, most preferably at least 2000 ppm.

7. An intrusion detector according to any one of the preceding claims wherein the alarm comprises at least one of an audible alarm, a visual alarm, and the transmission of an alarm message.
8. An intrusion detector according to any one of the preceding claims further comprising an auxiliary detector responsive to the presence of a person to the compartment.
9. An intrusion detector according to claim 8 wherein the auxiliary detector comprises a PIR detector or a microwave director.
10. An intrusion detector substantially as hereinbefore described with reference to and as shown in the accompanying drawings.
11. A vehicle comprising an intrusion detector according to any one of the preceding claims.
12. A vehicle according to claim 9 wherein the vehicle comprises a trailer and wherein the intrusion detector is mounted on a outer surface of the vehicle.
13. A vehicle according to claim 12 where dependent directly or indirectly on claim 8 wherein the auxiliary detector is mounted in the compartment.
14. A vehicle substantially as hereinbefore described with reference to and as shown in the accompanying drawings.
15. Any novel feature or novel combination of features described herein and/or in the accompanying drawings.